

- forming one or more pillars from a photoresist having top surfaces on said (e) lower metal layer, defining photoresist pillars;
 - plating said photoresist pillars defining plated pillars; (f)
 - removing the seed player not under the lower level layer; (g)
- coating said one or more plated pillars and said seed layer with a low (h) dielectric polymer;
 - (i)

curing said polymer; exposing said top surfaces of said plated pillars; and (j)

(k) forming a metal layer to contact said exposed top surfaces of said plated

pillars.

- 13. (Amended) A process for forming vias in polymers with low dielectric constants, the process comprising the steps of:
 - (a) providing a substrate layer;
- (b) forming a lower level layer on said substrate, selected from one or more of the group consisting of dielectric, metal and a circuit device;
 - forming a bottom metal layer on said lower level layer; (c)
 - (d) forming one or more pillars from a photoresist on said lower metal layer;
 - coating said one or more pillars with a polymer coating; (e)
 - (f) curing said polymer;
 - etching back said polymer to expose said one or more pillars; (g)
 - (h) removing said one or more pillars to form vias; and
- (i) forming a metal layer to contact said bottom metal layer on top of said polymer coating.

